

Title (en)
CATALYST FOR CONVERSION OF HYDROCARBONS, PROCESS OF MAKING AND PROCESS OF USING THEREOF - GERMANIUM ZEOLITE

Title (de)
KATALYSATOR ZUR UMWANDLUNG VON KOHLENWASSERSTOFFEN, HERSTELLUNGSVERFAHREN DAFÜR UND VERFAHREN ZUR VERWENDUNG DAVON - GERMANIUM ZEOLITH

Title (fr)
CATALYSEUR DE CONVERSION D'HYDROCARBURES, PROCÉDÉ DE PRODUCTION ET D'UTILISATION DU CATALYSEUR - ZÉOLITE DE GERMANIUM

Publication
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Application
EP 08754706 A 20080523

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Abstract (en)
[origin: WO2008153758A2] This invention is for a catalyst for conversion of hydrocarbons. The catalyst is a medium pore germanium zeolite, a germanium aluminophosphate (AIPO) or a germanium silicoaluminophosphate (SAPO). At least one metal selected from Group 10 is deposited on the medium pore zeolite and, optionally on the germanium aluminophosphate (AIPO) or a germanium silicoaluminophosphate (SAPO). The catalyst is prepared by synthesizing a medium pore zeolite, an aluminophosphate (AIPO) or a silicoaluminophosphate (SAPO) with germanium incorporated into the framework and calcining the medium pore germanium zeolite, germanium aluminophosphate (AIPO) or germanium silicoaluminophosphate (SAPO). At least one metal may be deposited on the germanium zeolite, germanium aluminophosphate (AIPO) or a germanium silicoaluminophosphate (SAPO). The catalyst may be used in a process for the conversion of hydrocarbons, such as propane to aromatics, by contacting the catalyst with a hydrocarbon stream containing alkanes having 2 to 12 carbon atoms per molecule and recovering the product.

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